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(11) EP 0 802 649 A1

(12) EUROPEAN PATENT APPLICATION

(43) Date of publication:
22.10.1997 Bulletin 1997/43

(51) Int. Cl.⁶: H04L 5/06, H04J 11/00

(21) Application number: 96201060.9

(22) Date of filing: 19.04.1996

(84) Designated Contracting States:
BE CH DE ES FI FR GB IT LI NL SE

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(54) Method and windowing unit to reduce leakage, Fourier transformer and DMT modem wherein the unit is used

(57) A windowing unit (WPU) improves band-limited noise immunity of a fourier transformer (FT) where it forms part of. The windowing unit (WPU) thereto comprises a digital window filter (WF) and a folding processor (F). The window function (W) of the digital window filter (WF) consists of a window head (HEAD), a window body (BODY), and a window tail (TAIL), and the shape of the window function (W) is chosen so that the window head (HEAD) is complementary to a tail (BODY TAIL) of

a window body (BODY), and similarly the window tail (TAIL) is complementary to a head (BODY HEAD) of the window body (BODY). The folding processor (F) performs the task of mapping the information received in the window head (HEAD) on to the tail (BODY TAIL) of the window body (BODY) and mapping the information received in the window tail (TAIL) on to the head (BODY HEAD) of the window body (BODY).

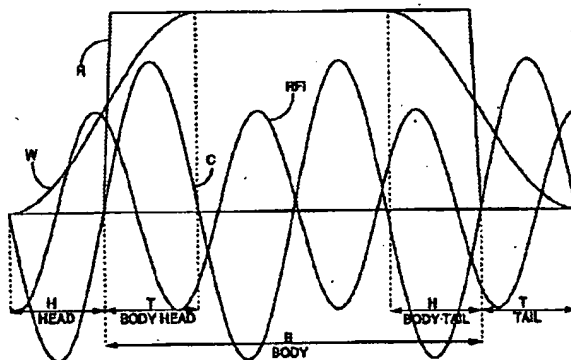


Fig. 2

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